J E M M S

Joint Environmental Material Management Services

ISO 14001 REGISTERED

Reduce, Reuse, Recycle!

Ms. Fran Walinsky

Mr. Terry Tibbs

Concept

- **DLA developed and sponsored service designed to reduce HAZMAT entering the waste stream**
- **Centralized management of HAZMAT by qualified individuals down to the user (locker) level**
- **Single point for material management and waste consolidation**
- **Centralized procurement**
- **RHICS web based software solution provides single database for supply / environmental solutions, tracking and reporting operated w/i JEMMS Center**
- **True ‘cradle to grave’ HAZMAT management**

Implementation

- **HAZMAT Best Business Practices Used**
- **Web based software (RHICS) replaces legacy, client server applications**
- **All HM/HW Services + DRMO**
- **Local transportation – commercial contract**
- **High level centralized funding based on a *significantly* reduced cost of operations and reduced HAZWASTE consolidation and disposal cost… or transaction based funding by a customer paid Value Added Charge (VAC).**

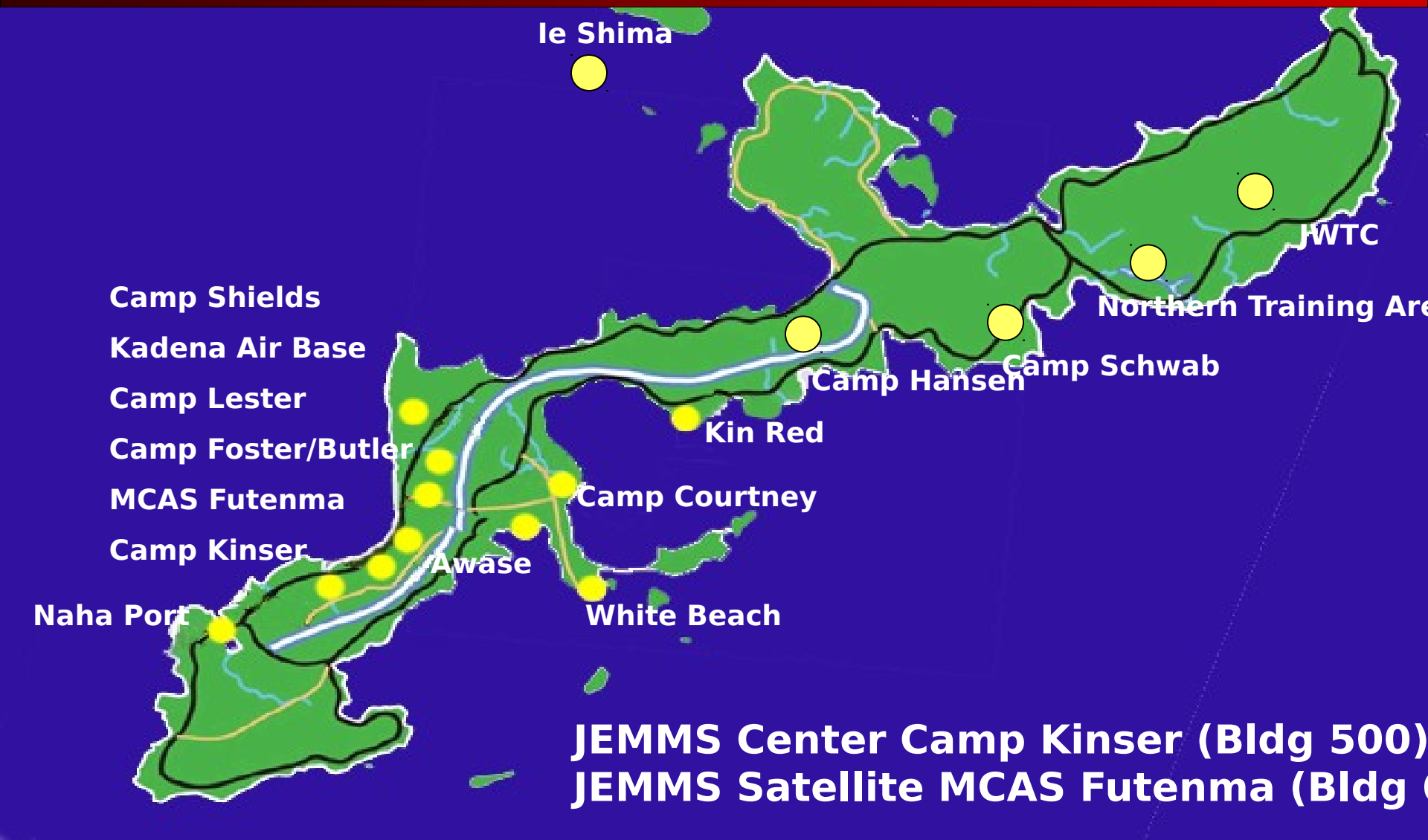
Features

- **Central HM/HW Facility (satellites if necessary)**
- **Online Request (orders) to JEMMS Center. AUL is the customers "catalog"**
- **Cost Avoidance HM issued before other material.**
- **Material delivery to user's locker/work center**
- **Excess HM / HW Picked up from WRK CTR.**
- **WEB Enabled order, inventory, & tracking software:**
  - **On line ordering system for customer.**
  - **Inventory management system for JEMMS center.**
  - **Container tracking system for Environmental use.**

Status
JEMMS Okinawa

- **Customers: >250 on line.**
- **Inventory: >1434 Lines valued at $1.5 million.**
- **<u>First Year Savings</u>: <u>>$3.4M</u>**
  - **Material Procurement Avoidance $806K.**
  - **Material Disposal Avoidance $787K.**
  - **Labor $1.9M.**
- **DLA owned inventory August 03.**
- **3PL Inventory August 03.**

Customer Sites



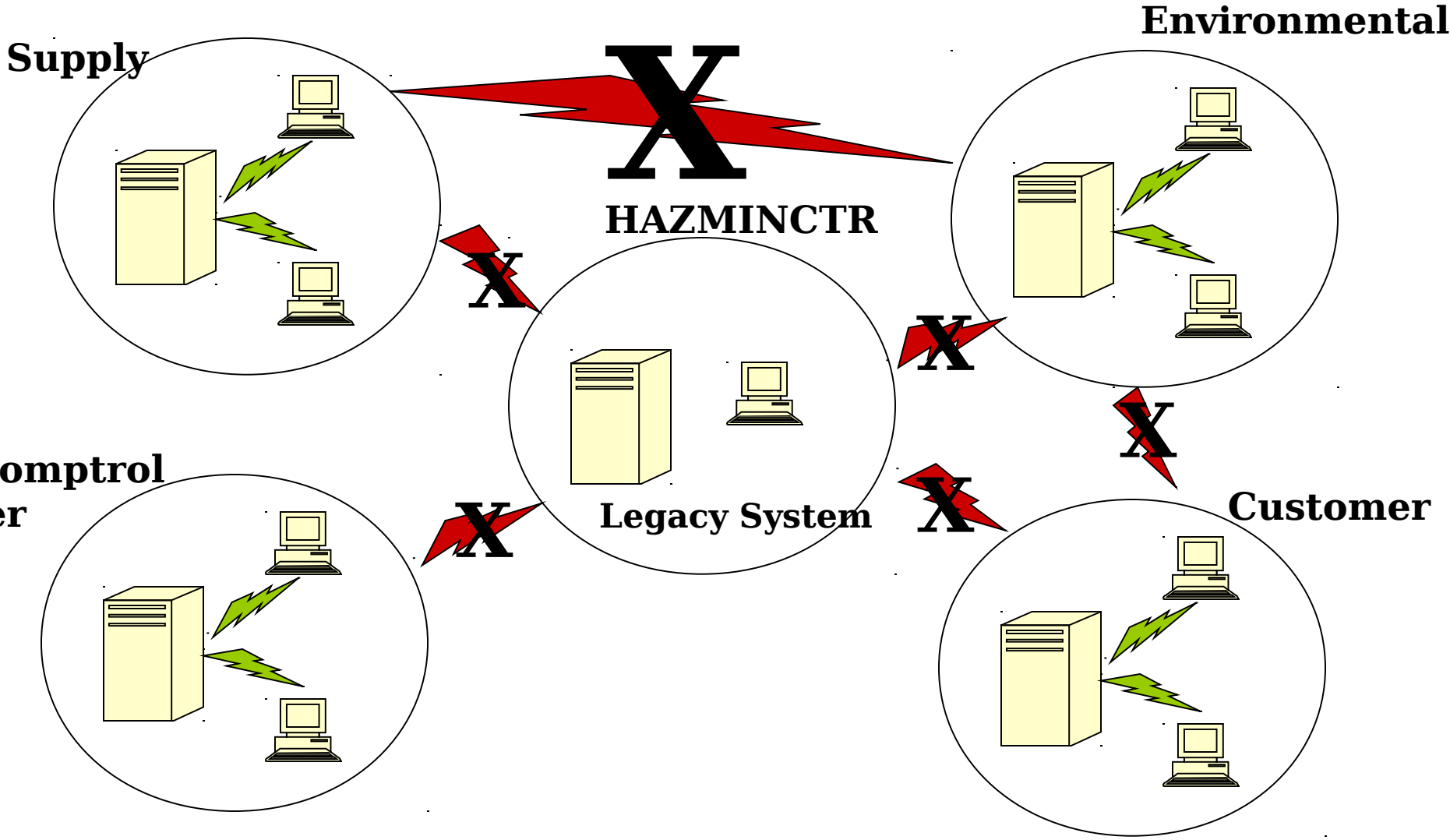
Premium Services

- **USMC Hawker Battery Evaluation**
- **Deployment Pack-Up support**
- **Antifreeze Recycling**
- **Shop Towel Laundrying support**
- **Solid Waste/Recycling Support**
  - **Container crushing**
  - **Florescent bulb crushing**
  - **Aerosol Can puncturing/draining**
  - **Lead Acid Battery recycling**

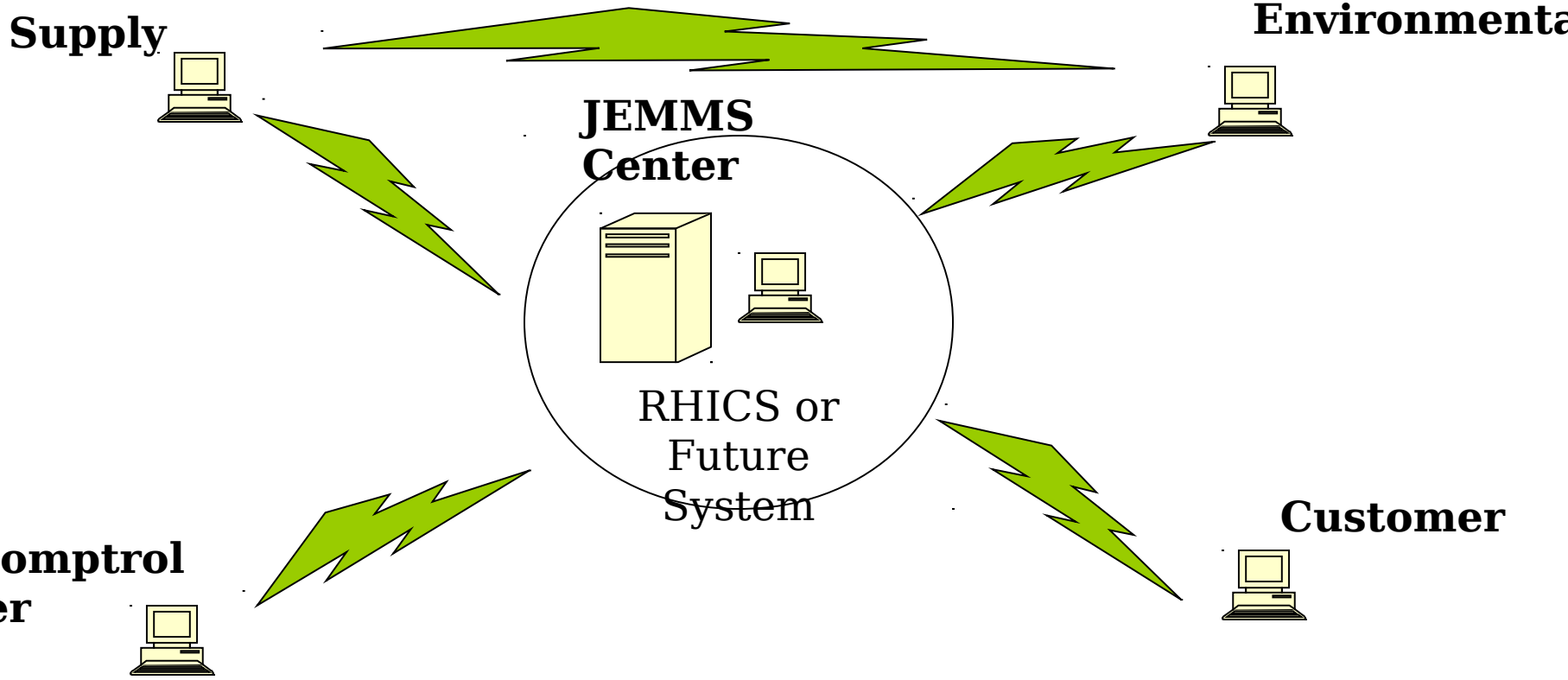
FUTURE Initiatives

- **Energy Recovery Material Management**
- **HM/HW software merger**
  - **RHICS + HSMS 2.4.1 =Future Web Enabled application**
- **US Navy Regions**
- **USMC Cherry Point**
- **US Forces Guam**
- **Locations considering JEMMS:**
  - **US Forces Korea, Camp Lejeune, Camp Pendelton**

The AS IS


Supply
Environmental
HAZMINCTR
Comptrol
ler
Legacy System
Customer

The To Be



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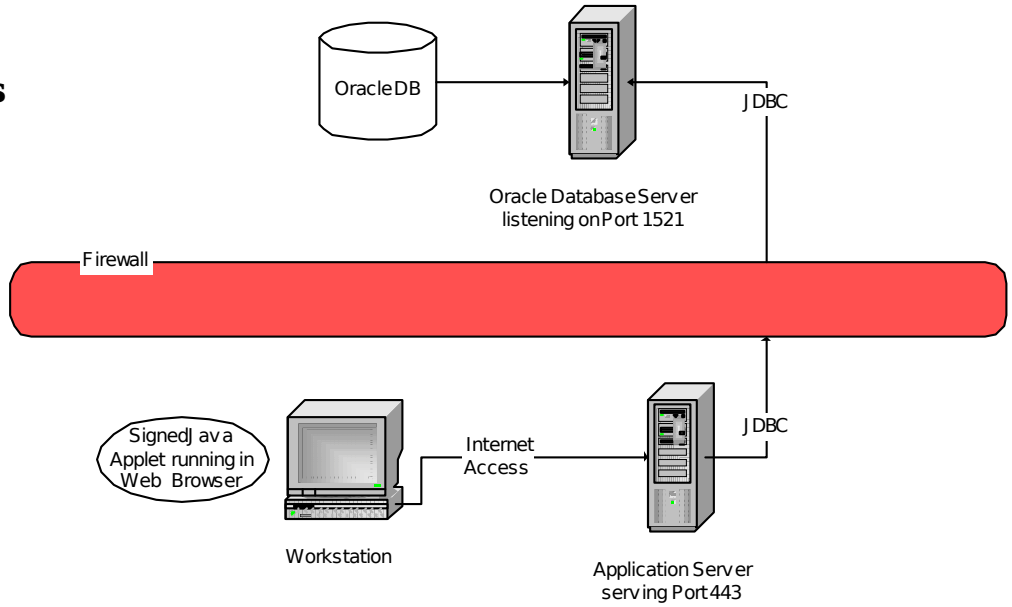
Future System

- **Status**
  - **Development commenced on 8 Oct with a training session on HSMS 2.4.1 and the overall approach/ architecture of new system**
  - **Database has been base lined**
  - **43 of 95 program specs prepared**
  - **Menu structure in place**
  - **Web portal completed**
  - **Coding in process**
  - **Discussing with Army need for LIU interface**
  - **Database conversion procedures and stored procedures in process of being written/converted**

Hazardous Substance Management System 3.0 - Microsoft Internet Explorer
Regional Hazardous Information Control System (RHICS) 2.0
To promote the reutilization, reduction, and recycling of hazardous substances.
Information
Welcome
News
History
Support
DoD Warning
PKI Certificate
System Requirements
For RHICS 1.0 Users
Contact Information
Privacy and Security Notice
Search
RHICS 2.0
Logon
Asset Visibility
Online Request
AUL Request/Update
Environmental/Safety Update
Disposition
Help
Welcome to the RHICS 2.0 Web Portal
05 March 2004 - The newest version of this application now leverages web based technology to provide a centric global database for all services.
Access to the application is accomplished with the links provided on the left. In addition, enhanced portions of the application include material requests, AUL automation, environmental and safety updates, and disposition of material.
Help is also available for all portions of the application.
REGIONAL HAZARDOUS INVENTORY CONTROL SYSTEM
RHICS
Version 2.0
NAVAL SUPPLY SYSTEMS COMMAND
RHICS 2.0 Functionality Update
04 March 2004 - This newest version of RHICS includes comprehensive waste functionality and EPA reporting tools.
The latest version also implements cutting edge design applied to the overall application, which ultimately will provide better performance, a smaller deliverable,
start
8:11 AM

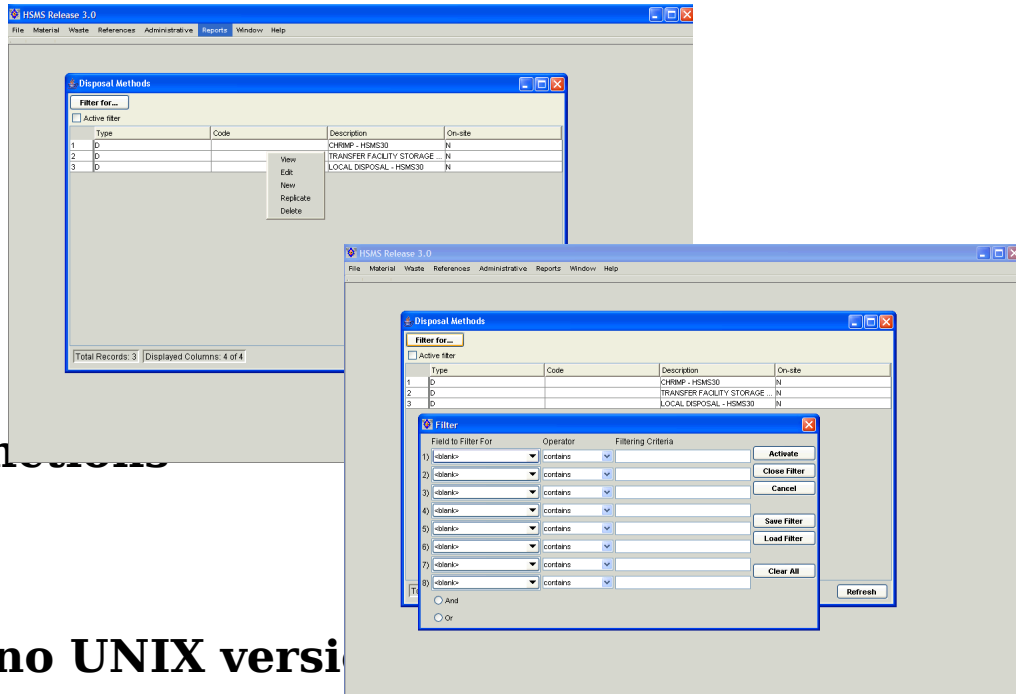
Future System (cont.)

- **Architecture**
  - **Developed and approved**
  - **Core user interface components 80% complete**
- **Builds**
  - **#1 …**
    - **Set up screens**
    - **HAZMIN Profile**
  - **#2 …**
    - **Additional set up screens**
    - **Regional Set up**
    - **MSDS**
    - **Master Inventory/AUL**
    - **Processes**
  - **# 3 …**
    - **Anticipated Receipts and Receipts**
    - **Waste set up screens**
    - **Reorder Review**
    - **Regulatory data**
    - **MIPR setup**
    - **Requisition Processing (POE)**



Future System (Cont.)

- Builds (cont.)
  - #4 …
    - **Issue Material**
    - **Transfer of Material**
    - **Container Inventory**
    - **Stored Procedures**
    - **On line Order**
    - **Additional Waste Functions**



- Report Generation
  - Reviewing
    - **Crystal Reports 9 … no UNIX versi**
      have to have a separate NT server
    - **JReport6 … Java based, runs on UNIX,**
      similar to Crystal Report, will convert Crystal Reports to run with JReport6, provides for data mining … currently reviewing robustness and testing access via RHICS front end.
  - RHICS Adhoc enhanced if one of above solutions not suitable

JEMMS